

PLOTKIN, B.I.; KEMKHADZE, Sh.S.

Scheme for the construction of radicals in groups, Sib. mat. zhur.
6 no.5:1197-1201 S-0 '65. (MIRA 18:10)

Pinsker, B. G.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress, Moscow, Jun-Jul '56,
Trudy '56, V. 1, Sec. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Pinsker, A. G., (Leningrad). Locally Ordered Groups. 32-33

Plotkin, B. I. (Sverdlovsk). Radical and Semi-Simple Groups
and Lie Algebras. 33

There are 2 references, both of them USSR.

Pyatetskii-Shapiro, I. I. (Moscow). Modular Functions
of Several Variables. 33

Sadovskiy, L. Ye. (Moscow). Subgroup Lattice of
Nilpotent Torsion Free Group. 33-34

Mention is made of Kontorovich, P. G. and Plotkin, B. I.

There is 1 USSR reference.

Skornyakov, L. A. (Moscow). T-homomorphisms of Rings and
Non-associative Free Fields. 34-35

PLOTKIN, B.I.

Some problems in the theory of groups without torsion. Ukr. mat.
zhur. 8 no.3:325-329 '56. (MIRA 10:9)
(Groups, Theory of)

PLOTKIN, B.I. (Sverdlovsk)

Radical and semisimple groups. Trudy Mosk.mat.ob-va 6:299-336
'57. (MIRA 10:11)
(Groups, Theory of)

Name: PLOTKIN, Boris Isaakovich

Dissertation: Radical groups

Degree: Doc Phys Math Sci

Affiliation: Sverdlovsk Mining Inst imeni
Vekhrushov

Defense Date, Place: 12 Nov 56, Council of Moscow Order
of Lenin and Order of Labor Red
Banner State U imeni Lomonosov

Certification Date: 8 Jun 57

Source: BMVO 16/57

AUTHOR: Plotkin, B.I. SOV/140-58-1-13/21

TITLE: Radical and Nilelements in Groups (Radikal i nil'elementy v gruppakh)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego obrazovaniya SSSR, Matematika, 1958, Nr 1, pp 130-135 (USSR)

ABSTRACT: The author denotes as nilelements the elements which were called Engel elements in the paper of Baer [Ref 1]. A group, the radical of which is identical with the set of all nil-elements is denoted as an NR-group. In [Ref 5] the author showed that a group with increasing normal series with locally nilpotent factors is an NR-group. In the present paper this result is extended :
Theorem : If a group possesses an increasing normal series, all factors of which locally satisfy the maximum condition, then it is an NR-group.
The proof is based on the following lemma : Let g be a nil-element of an arbitrary group G ; let the subgroup $H_1 = \{g\}$ be not invariant in G . Then there exists a (possibly finite) sequence of subgroups

Card 1 / 3

Radical and Nil elements in Groups

SOV/140-58-1-13/21

$$H_1 \subset H_2 \subset H_3 \subset \dots \subset H_n \subset H_{n+1} \subset \dots$$

with the following properties

1. All H_i are nilpotent groups;
2. H_i is normal subgroup in H_{i+1} ;
3. $H_{i+1} = \{H_i, x_i^{-1}gx_i\}$, where $x_i^{-1}gx_i$ is the element conjugate to g and does not lie in H_i ;
4. If H_n exists and if it is invariant in \mathcal{G} , then the sequence ends in this point. If, however, H_n is not invariant in \mathcal{G} , then H_{n+1} exists.

Some further theorems are proved, e.g.

Theorem: If all abelian subgroups of \mathcal{G} possess a finite number of generators, then \mathcal{G} is an NR-group.

There are 9 references, 7 of which are Soviet, and 2 German.

ASSOCIATION: Ural'skiy elektromekhanicheskiy institut inzhenerov zheleznodorozhnogo transporta (Ural Electromechanic Institute for Engineers of Railroad Transport)

Card 2/3

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Radical and Nilelements in Groups

SOV/140-58-1-13/21

SUBMITTED: October 14, 1957

Card 3/3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6"

AUTHOR: PLOTKIN,B.I.

42-1-4/13

TITLE: On Some Classes of Infinite Groups (O nekotorykh klassakh beskonechnykh grupp)

PERIODICAL: Uspekhi Matematicheskikh Nauk, 1958, Vol 13, Nr 1, pp 189-192 (USSR)

ABSTRACT: The group \mathcal{Q} is called F-semisimple if the centralizer $A(\mathcal{Q})$

in \mathcal{Q} is equal to the unity. \mathcal{Q} is called a \bar{W} -group if \mathcal{Q} is an extension of the radical group with the aid of the F-semisimple group. \mathcal{Q} is called FK-semisimple if it is F-semisimple and all simple factors in $A(\mathcal{Q})$ are finite. \mathcal{Q} is called a WF-group if \mathcal{Q} is an extension of the radical group with the aid of the FK-semisimple group.

Theorem: In order that \mathcal{Q} is a \bar{W} -group it is necessary and sufficient that \mathcal{Q} has an increasing normal series with local-nilpotent and F-semisimple factors.

Theorem: \mathcal{Q} is a WF-group then and only then if in \mathcal{Q} there exists an increasing normal series all the factors of which are local-nilpotent or FK-semisimple groups.

4 Soviet references are quoted.

SUBMITTED: 4 December 1956

AVAILABLE: Library of Congress
Card 1/1 1. Mathematics

AUTHOR: Plotkin, B.I. SOV/42-13-4-3/11

TITLE: Generalized Solvable and Generalized Nilpotent Groups (Obobshchennyye razreshimyye i obobshchennyye nil'potentnyye gruppy)

PERIODICAL: Uspekhi matematicheskikh nauk, 1958, Vol 13, Nr 4, pp 89-172 (USSR)

ABSTRACT: The present paper is a detailed elaboration of the extensive address given at the Algebraic Union Colloquium on February 4, 1958. In spite of the large extent, the paper contains only very few especially typical and new proofs. The paper was written with the assistance of Mal'tsev and Kontorovich; it was proposed by Kurosh. Chapter I: General notions; Chapter II: Groups of automorphy; Chapter III: Generalized nilpotent groups; Chapter IV: Generalized solvable groups; Chapter V: The structure of subgroups of generalized solvable and generalized nilpotent groups. There are 207 references, 120 of which are Soviet, 27 American, 22 German, 16 English, 6 Japanese, 3 Italian, 5 Roumanian, 3 French, and 3 Hungarian.

Card 1/1

AUTHOR: Plotkin, B.I.

SOV/42-13-6-16/33

TITLE: On Algebraic Sets of Elements in the Lie Groups and Algebras
(Ob algebraicheskikh mnozhestvakh elementov v gruppakh i
algebraakh Li)

PERIODICAL: Uspekhi matematicheskikh nauk, 1958, Vol 13,Nr 6,pp 133-138 (USSR)

ABSTRACT: Groups with maximal condition are called M-groups. Groups
with a local system of M-subgroups are called LM-groups. A Lie
algebra of finite rank is called a finite Lie algebra.
The author gives a new simple proof of the theorem due to
Baer [Ref 1]:In an arbitrary group G , a subgroup generated by two invariant
LM-subgroups is again an LM-subgroup.

Furthermore the following two theorems are proved:

In an arbitrary Lie algebra, a subalgebra generated by two
locally finite ideals is locally finite itself.If an algebraic Lie algebra has an increasing normal series
with locally finite factors, then the algebra is locally finite.
There are 5 references, 3 of which are Soviet, 1 American, and
1 German.

SUBMITTED: April 8, 1957

Card 1/1

85936

S/020/60/134/003/026/033XX
C 111/ C 333

16.2000

AUTHORS: Plotkin, B. I., Vilyatser, V. G.

TITLE: On the Theory of Locally Stable Groups of Automorphisms

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 3,
pp. 529-532

TEXT: The notations are the same as in (Ref.1).

Theorem 1. A finite-stable group of automorphisms of an arbitrary group is nilpotent.

The theorem is already contained in the paper of Ph. Hall (Ref.7). From the proof, which is different from (Ref.7), it follows among others: If G possesses an increasing invariant $\{G_\phi\}$ -stable series, then the commutant $[G_\phi]$ belongs to the centralizer of this series and, in particular, possesses itself an increasing central series.Theorem 2: Let Φ be a locally stable group of automorphisms of the group G . Assume that the periodical part in the radical of G is finite. The group Φ is locally nilpotent, if and only if a local system of subgroups of finite rank is existing in it.

Card 1/3

85936
S/020/60/34/003/026/033XX
C 111/ C 333

On the Theory of Locally Stable Groups of Automorphisms

The proof is based on the following lemmata:

Lemma 1: Let ϕ be a locally stable group of automorphisms of G. The periodic part of the radical of G is assumed to be finite and to have the order m, ϕ is assumed to be a group of the finite rank r. Then the set of all elements of ϕ of finite order is a subgroup of ϕ which is identical with the ϕ -centralizer of the factor group G/P. This subgroup is finite and its order is not greater than the number $m!^m$.

Lemma 2: Let ϕ be a stable group of automorphisms of G. If ϕ has finitely many generators and finite rank, and if the periodic part of the radical of G is finite, then ϕ is nilpotent.

Lemma 3: Assume that G possesses a local system of ϕ -admissible subgroups G_α , let ϕ induce in each of these subgroups a nilpotent group, the rank of which is $\leq r$, the order of which is $\leq k$ and the periodic part of which is finite. Then the whole group ϕ is nilpotent.

Card 2/3

PLOTKIN, B.I.

Locally stable groups of automorphisms. Sib. mat. zhur. 2
no.1:100-114 Ja-F '61. (MIRA 14:6)
(Groups, Theory of)

PLOTKIN, B.I., (Sverdlovsk)

Normal divisors limiting a group. Mat. sbor. 53 no.3:343-352 Mr '61.
(MIR 14:3)

(Groups; Theory of)

PLOTKIN, B.I.

Some properties of automorphisms of nilpotent groups. Dokl. AN SSSR
137 no.6:1303-1306 Ap '61. (MIR 14:4)

1. Predstavleno akademikom A.I.Mal'tsevym.
(Groups, Theory of)

PLOTKIN, B.I.

Radicals in group pairs. Dokl. AN SSSR 140 no. 5:1019-
1022 O '61. (MIRA 15:2)

1. Predstavleno akademikom A.I.Mal'tsevym.
(Groups, Theory of)

PLOTKIN, B.I.

On certain radicals of groups of automorphisms. Usp. mat.nauk
17 no.4:165-171 '62. (MIRA 15:8)
(Groups, Theory of)

PLOTKIN, B.I.

Radicals related to group representations. Dokl.AN SSSR 144
no.1:52-55 My '62. (MIRA 15:5)

1. Predstavleno akademikom A.I.Mal'tsevym.
(Groups, Theory of)

PLOTKIN, B.I.

Some problems in the general theory of group representations.
Izv. AN SSSR. Ser. mat. 27 no.4:855-882 Jl-Ag '63. (MIR 16:8)

(Groups, Theory of) (Rings (Algebra))

PLOTKIN, B.I.

S_q -semigroups, \mathcal{Q} -rings and representations. Dokl. AN SSSR
149 no.5:1037-1040 Ap '63. (MIRA 16:5)

1. Predstavleno akademikom A.I.Mal'tsevym.
(Groups, Theory of) (Rings (Algebra))

PLOTKIN, B.I.

Infinite-dimensional linear groups. Dokl. AN SSSR 153
no.1:42-45 N '63. (MIRA 17:1)

1. Predstavлено академиком А.И. Мал'тсевым.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6

MAL'TSEV, A.I.; PLOTKIN, B.I.

Petr Grigor'evich Kontorovich, 1905. ; on his 60th birthday.
Usp. mat. nauk. 20 no.4:209-212 Jl-Ag '65.

(MIRA 18:8)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6"

PLOTKIN, B.P.; VORONOVICH, N.F.

Significanc of hydrotubage in the diagnosis and treatment of female sterility. Zdrav. Bel. 9 no.7:15-17 Jl '63 (MIRA 17:4)

1. Iz Pinskogo gorodskogo rodil'nogo doma (glavnyy vrach rodil'-nogo doma - zasluzhennyy vrach Belorusskoy respubliki V.M. Vorozheykina).

PLOTKIN, B.S.

Improve the supply of building materials and equipment to meet
new demands. Biul. tekhn. inform. po stroi. 5 no.5:17-20 My '59.
(MIBA 12:8)

(Building materials) (Building machinery)

PLOTKIN, D.

Every disabled person should be given work according to his strength and abilities. Prom. koop. 12 no.8:25 Ag '58? (MIHA 11:9)

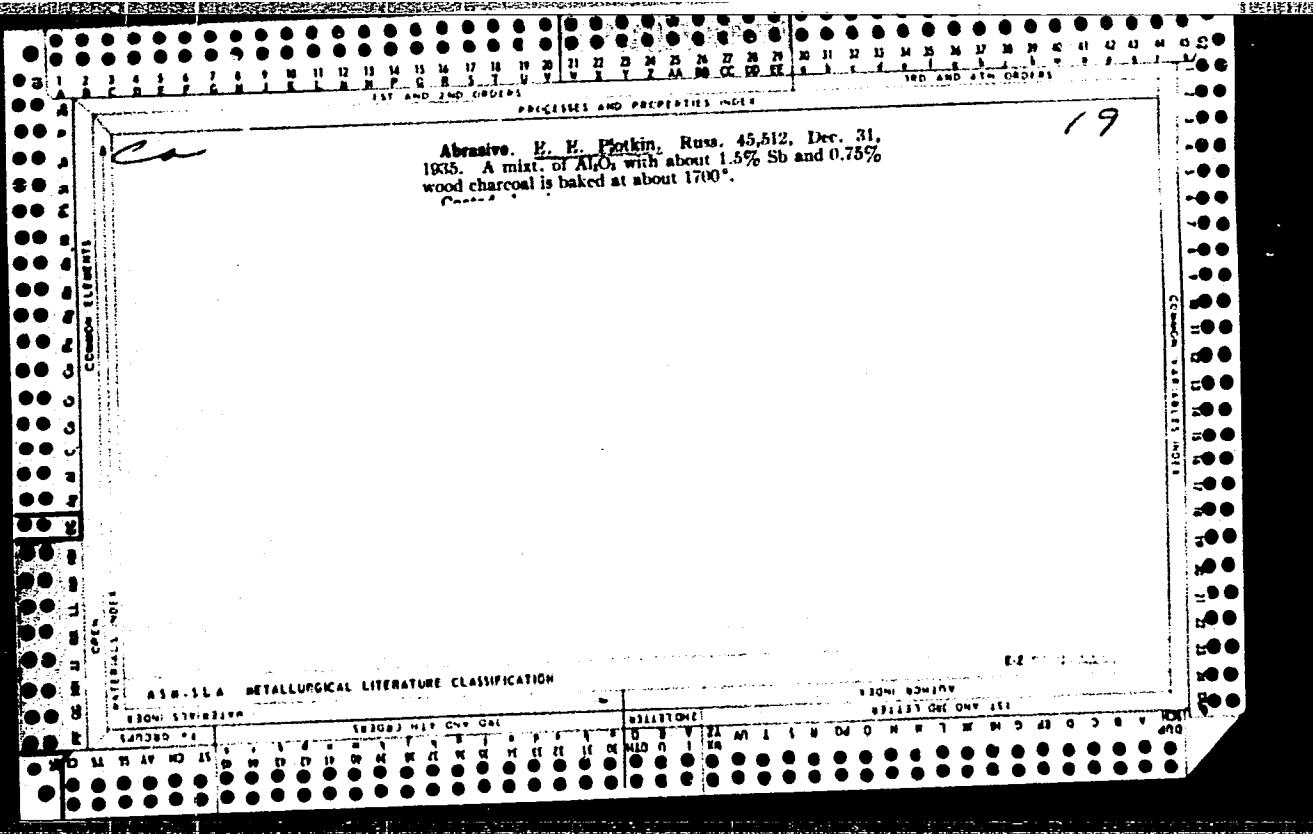
1. Predsedatel' pravleniya arteli invalidov "Metallurg," g.Stalinsk,
Kemerovskoy oblasti.
(Stalinsk--Vocational rehabilitation)

YUKHIN, A. I., inzh.; PLOTKIN, D. G., inzh.

Universal stand for the welding of shells and sheets. Svar.
(MIRA 15:10)
proizv. no.10:36 0 '62.

1. Karacharovskiy mekhanicheskiy zavod.

(Sheet steel--Welding)
(Electric welding--Equipment and supplies)



MOLCHANOV, E. I.; PLOTKIN, E. R.

"Temperature distribution in gas-turbine blades."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Dzerzhinskiy All-Union Heat Technology Inst.

PLOTKIN, F.M., prof.

"Injuries of the blood vessels of the extremities and ways
of improving the collateral blood circulation" by A.A. Manevich.
Reviewed by F.M.Plotkin. Nov.khir.arkh. no.3:109 My-Je '59.
(MIRA 12:10)

(BLOOD VESSELS--WOUNDS AND INJURIES)
(EXTREMITIES (ANATOMY)--BLOOD SUPPLY)
(MANEVICH, A.A.)

PIOTKIN, F.M., prof. (Moskva)

Rene Leriche; his life and work. Khirurgia 34 no.1:140-141 Ja '58.
(BIOGRAPHIES,
Leriche, Rene (Rus) (MIRA 11:3)

PLOTKIN, F.M.

VISHNEVSKIY, A.A., professor, predsedatel'; CHISTOVA, M.A., sekretar'; KESHI-SHEVA, A.A.; KRICHESKIY, A.A., kandidat meditsinskikh nauk; UTESHEV, S.S., kandidat meditsinskikh nauk; BEGEL'MAN, A.A., kandidat meditsinskikh nauk; YELANSKIY, N.N.; ZATSEPIN, T.S. professor; PLOTKIN, F.M., professor; PATSIORA, M.D.; KAZANSKIY, V.I., professor; TROYAN, I.V.; FEDOROV, I.P.; FILIPPOV, A.V.; UTESHEV, S.S.; DOROFEEV, V.I.

Minutes of the session of the Surgical Society of Moscow and Moscow Province of September 26, 1952. Khirurgija no.3:92-95 Mr '53. (MLRA 6:6)

1. Khirurgicheskoye obshchestvo Moskvy i Moskovskoy oblasti. 2. Fakul'tetskaya khirurgicheskaya klinika sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta (for Krichevskiy).
(Heart--Surgery) (Arteries--Diseases)

PETROV, B.A., professor, predsedatel'; DOROFEEV, V.I., sekretar'; MLYNCHIK, V.E.; KAZANSKIY, V.I., professor; BANJLEV, A.N., professor; LEVIT, V.S., professor; PETROVSKIY, B.V., professor; PECHATNIKOVA, E.A.; SOLOV'YEV, A.Ye., professor; MAKHOV, N.I., dotsnet; YELANSKIY, N.N. professor; PLOTKIN, F.M., professor; VISHNEVSKIY, A.A., professor; VETCHINKIN, Yu.M.; GUREVICH, N.I., professor; OSIPOV, B.K., professor; TIKHONOVA, N.A.; RYZHIKH, A.N., professor; RUDYAVSKIY, B.A.; TERNOVSKIY, S.D., professor.

Minutes of the session of the Surgical Society of Moscow and Moscow Province of October 10, 1952. Khirurgija no.4:92-95 Ap '53. (MLRA 6:6)

1. Khirurgicheskoye obshchestvo Moskvy i Moskovskoy Oblast'.
(Esophagus--Surgery) (Esophagus--Cancer) (Rectum--Diseases)

PLOTKIN, F.M., professor, GRACHEVA, K.P.

Tenoplastic supracondyloid amputation of the thigh in vascular
diseases of the lower extremities. Khirurgia no.6:30-35 Je '55.

(MLRA 8:10)

(THIGH, surg.
amputation, supracondyloid in thrombosis of legs)

(LEG, blood supply
thrombosis, supracondyloid thigh amputation)

(THROMBOSIS
leg, supracondyloid thigh amputation)

(AMPUTATION
supracondyloid of thigh in thrombosis of leg)

AMITOV, B.; PLOTKIN, G., obshchestvennyy instruktor

Correct solution. Sov. profsoiuzy 18 no.17:13 S '62.
(MIRA 15:8)

1. Zaveduyushchiy otdelom truda i zarabotnoy platy na
obshchestvennykh nachalakh odesskogo oblastnogo komiteta
professional'nogo soyuza mashinostroyeniya (for Amitov).
2. Odesskiy oblastnoy komitet mashinostroyeniya (for Plotkin).

(Odessa Province--Machinery industry)
(Odessa Province--Trade unions)

PLOTKIN, G.

A leading worker and an active member of society. Sov.profsoiuzy 4
no.4:72-73 Ap '56. (MIRA 9:?)

1.Chlen komissii zavkoma po preizvodstvenno-massovoy rabote Odesskogo
mashinostroitel'nogo zavoda "Krasnaya gvardiya".
(Efficiency, Industrial)

PLOTKIN, Grigoriy Davidovich [Plotkin, Hryhorii]; BEDZIK, Yu.D., red.;
VOVK, A.A., tekhn.red.

[A trip to Israel; traveler's notes] Poizdka do Izrailiu;
podorozhni notatky. Kyiv, Radians'kyi pys'mennyk, 1959. 171 p.
(MIRA 12:11)

(Israel--Description and travel)

PLOTKIN, Grigoriy Davydovich; VESENIN, Ye. [translator]; KRYMOV, B.V.,
red.; ROZENTULLER, I.D., tekhn.red.

[A trip to Israel; traveler's notes] Poezdka v Izrail';
putevye zametki. Moskva, Izd-vo "Literurnoi gazety," 1959.
175 p. (MIRA 13:1)
(Israel--Description and travel)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6

PLOTKIN, I.

Concreting blocks having prestressed reinforcements. Avt.dor.
17 no.1:27 Jl-Ag'54. (MIRA 8:10)

(Bridges, Concrete)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6"

Ilyukin, I. B.

Operating tolerances in machine-shop practice. Leningrad, Gos. nauchno-tekhn. izd-vo mashinostroist. lit-ry 1947. 154 p. (Tekhnologiya mashinostroenija: Obrabotka metallov rezaniem) (55-24987)

TJ1167.PH5

1. Tolerance (Engineering)

Plotkin, I.B.

BARSUKOV, A.A., inzh., laureat Leninskoy premii; BORISOV, Yu.S., inzh.; VAKS, D.I., inzh.; VIADZIYEVSKIY, A.P., doktor tekhn. nauk; prof., laureat Stalinskoy premii; GINZBURG, Z.M., inzh.; GLEYZER, Y.Ye., inzh.; ZOBIN, V.S., inzh.; KAZAK, M.I., dots.; KAMINSKAYA, V.V., kand. tekhn. nauk; KEDRINSKIY, V.N., inzh., laureat Leninskoy premii; KUCHER, A.M., kand. tekhn. nauk; KUCHER, I.M., kand. tekhn. nauk; LEVINA, Z.M., inzh.; LUK'YANOV, T.P., inzh.; MOROZOVA, Ye.M., inzh.; NOSKIN, P.A., kand. tekhn. nauk, dots.; NIBERG, N.Ya., kand. tekhn. nauk; OSTROUMOV, G.A., inzh.; PLOTKIN, I.B., inzh.; SPIVAK, E.D., kand. tekhn. nauk; SUM-SHIK, M.R., inzh.; SHASHKIN, P.I., inzh.; SHIFRIN, S.M., inzh.; YAKOBSON, M.O., doktor tekhn. nauk, prof.; GLIMMER, B.M., inzh., red.; SOKOLOVA, T.F., tekhn. red.

[Handbook for mechanics of machinery plants in two volumes]
Spravochnik mekhanika mashinostroitel'nogo zavoda v dvukh tomakh.
Vol.1. [Organization and design preparation for repair work]
Organizatsiya i konstruktorskaia podgotovka remontnykh rabot.
Otv. red. toma R.A. Noskin. 1958. 767 p. Moskva, Gos. nauchno-
tekhn. izd-vo mashinostroit. lit-ry. (MIRA 11:8)
(Machinery—Maintenance and repair)

LEBEDEV, L.V.; PLOTKIN, L.L.

Corrugated vascular prostheses from lavsan. Ortop., travm. i protez.
22 no. 2:49-51 F, '61. (MIRA 14:3)
(BLOOD VESSELS--SURGERY) (PLASTICS)

Sovetskikhinye po voprosam kosmogonii, 6th, 1957.

Frank-Kamenetsky...; voprosyakosmicheskaya astronomiya i tomografika
(Transactions of the 6th Conference on Problems of Cosmogony
and Astronomical Astronomy and Cosmology) Moscow, Izd-vo Akad. Nauk SSSR, 1959.
273 p. Erreka et al. 1,500 copies printed.

Submitting Agency: Akademicheskii Institut SSSR, Astronomicheskii Sovet.

Editorial Board: D.A. Frank-Kamenetsky, Professor (Rep. Ed.);
B.A. Voznesenskii-Yamakov, Corresponding Member, Academy of Geographical Sciences USSR; Ya. A. Gurovitskii, Professor; A.B.

Zal'shakov, Senior Scientific Contributor; and R.Z. Sagdeev
(Scientific Secretary), Junior Scientific Contributor; Ed. of Publishing House: L.V. Smasenko; Tech. Ed.: G.M. Shverdchenko.

PURPOSE: This publication is intended for astrophysicists, geophysicists and theoretical physicists interested in general problems of cosmology.

CONTENTS: This is a collection of reports given at the 6th Conference on the Problems of Cosmogony, June 5-7, 1957. In the publication observational data in the field of extragalactic astronomy are summarized, the data are analyzed from a theoretical point of view, and the accuracy and reliability of the observations are evaluated. The results of radio-astronomical observations are discussed in detail for the first time. Literature and correlations with observational data, primarily with the results of measurements, the relationship of cosmology to the theory of the formation of celestial elements and general thermodynamic and philosophical problems of cosmology are also investigated. No personalities are mentioned. References accompany some of the articles.

MEETING SESSION OF JUNE 6.

COSMOLOGICAL THEORIES BASED ON THE GRAVITATION THEORY

Shkolnikov, A.I.: Isotropic Models of the Universe 131
Discussion by K. Schmidt (East Germany) 138

Kleintz, K.M.: Gravitational Stability in the General Theory of Relativity (Summary of the Report) 141
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MEETING SESSION OF JUNE 6.

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Plotkin, I.P.: Some Remarks Concerning the Law of Entropy Increase 228
Discussion by D.A. Frank-Kamenetsky 240

Fain, G.I.: General Problems of Cosmology 243
Discussion by P.M. Zigel' 259

Fain, G.M.: Structural Infinity of the Universe and the Metagalaxy as a Typical Irreducible Cosmic System (Summary of the Report) 270

PLOTKIN, I.R.

Limits of the applicability of classical mechanics. Uch zap. Ped
inst Gerts. 197:121-125 '58.
(Mechanics) (MIRA 16:9)

PLOTKIN, I.R.

Rest mass of light, and interference phenomena. Izv.vys.ucheb.
zav.; fiz. no.6:90-94 '59. (MIRA 13:6)

1. Leningradskiy pedinstitut imeni A.I.Gertsena.
(Light) (Interference (Light))

PLOTKIN, I.R.

Additive rest mass. Izv. vys. ucheb. zav.; fiz. no. 5:64-67
'59. (MIRA 13:3)

1. Leningradskiy pedinstitut.
(Atomic mass)

PLOTKIN I.R.

PHASE I BOOK EXPLOITATION 507/3105

Sovetskaniye po voprosam kosmicheskii. 6th. Moscow, 1957

Vsesotskacheskaya astronomiya i kosmologiya. 1 kosmologiya; trudy soveshchaniiya (Extragalakticheskaya Astronomiya and Cosmology; Transactions of the 6th Conference on Problems of Cosmology, June 5-7, 1957) Moscow, AN SSSR, 1959. 273 P. Errata slip inserted. 1,500 copies printed.

Sponsoring Agency: Akademii nauk SSSR.
Ed. or Publishing House: L.V. Samonenko; Tech. Ed.: G.N. Shevchenko; Editorial Board: D.A. Pravik-Kamenetskiy (Rep. Ed.) Professor: B.A. Vorontsov-Velyaminov, Corresponding-Member.

PURPOSE: The book is intended for astronomers and physicists studying problems of general cosmology.

CONTENTS: The book is a collection of papers on cosmology read by scientists participating in a conference held in Moscow on June 5-7, 1957. The papers review recent observational and theoretical work in extragalactic astronomy, gravitational theory, theory of relativity, red shift, radio astronomy, formation of chemical elements, thermodynamics of the universe, entropy, etc. No personalities are mentioned. There are references following most of the reports.

Markarian, B.Ye. Spiral Galaxy M 101. 51
Kartynov, D.Iu. Reliability of Observational Data in Extragalactic Astronomy. 70

Krasovskiy, V.I. and P.V. Shcheglov. Application of Electronic-Optical Methods to Extragalactic Astronomy. 89

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Lifshits, Ye.M. Gravitational Stability in the General Theory of Relativity (Summary of Report). 142

Zel'dovich, A.B. Relativistic Theory of an Anisotropic Bon-
Eccentric Universe. 144

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Shklyarskiy, I.S. Radio Astronomy and Cosmology (Summary of Report). 186
According to Data on Their Distribution

Cherdymov, V.V. Conditions of Formation of Atomic Nuclei According to Data on Their Distribution. 192

Frank-Kamenetskiy, D.A. Origin of Chemical Elements From the Point of View of the Theory of Internal Structure and Stellar Evolution. 200
Ternovskiy, Ya.-F. Problems of Statistical Physics and Thermodynamics of Gravitating Systems. 214

Idlis, O.M. Structural Infinity of the Universe and the Planckianity as a Typical Populated Cosmic System (Summary of Report). 270

Plotkin, I.N. Some Remarks on the Growth of Entropy. 228
Starobinskii, K.P. On the Thermodynamics of the Universe. 219

Naan, G.I. General Problems of Cosmology. 233

67

PLOTKIN, I. R.

PA 169T109

USSR/Physics - Thermodynamics
Entropy Nov 50

"The Increase of Entropy in an Infinite Universe,"
I. R. Plotkin, Leningrad State Pedagogical Inst

"Zhur Eksper i Teoret Fiz" Vol XX, No 11,
pp 1051-1053

Discusses K. P. Stanyukovich's interesting article
which proposed statistical demonstration of im-
possibility of attainment by infinite universe to
state of equilibrium ("Dok Ak Nauk SSSR," Vol LXIX,
p 793, 1949). Submitted 15 Mar 50.

169T109

GUSEVA, Ye.M., dotsent; KALASHNIKOV, S.A.; PLOTKIN, L.L.

Lavsan as suture and ligation material. Vest. Khir. 94 no.2:
79-82 F '65. (MIRA 18:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (nachal'nik - prof.
V.M. Sitenko) Voyenno-meditsinskoy ordena Lenina akademii imeni
Kirova.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6

PLOTKIN, M.

Stand for lapping small holes. Mashinostroitel' no. 8:13 Ag '63.
(MIRA 16:10)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6"

PLOTKIN, M., inshener; SOMOV, V., inshener.

Ejection of burning oil products during oil fires. Posh.delo 3
no.2:10-12 F '57. (MLRA 10:4)
(Petroleum industry--Fires and fire prevention)

Poetkin, M.

PLOTKIN, M., inzh.; YUR'YEV-KIKNADZE, B., inzh.

Fire safety separations of gas furnaces. Pozh.delo 3 no.12:7-9
D '57. (MIRA 10:12)
(Furnaces--Construction)

PLOTKIN, M.; KHOVANOVA, A.

Combination foam discharge nozzle. Pozh.delo 9 no.5:25-26
My '63. (MIRA 16:5)
(Fire extinction--Chemical systems) (Nozzles)

Plotkin, M.

USSR Chemical Technology. Chemical Products
and Their Application
Safety Engineering. Sanitary Engineering.

H-6

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1845

Author : Plotkin M., Somov V.

Title : Burst of Petroleum Products Under Conditions of
Conflagration

Orig Pub: Pozharnoye delo, 1957, No 2, 10-12

Abstract: A study of the phenomena of boiling-over and burst from open surface during burning of petroleum and dark petroleum products. Experimental material which has been collected in this field, and also the analysis of the results of a fire which occurred at a petroleum pumping station, and in which a bust was involved, have made it possible for the authors to arrive at certain

Card 1/2

USSR ,Chemical Technology. Chemical Products
and Their Application
Safety Engineering. Sanitary Engineering.

H-6

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1845

practical conclusions relating to the operation
of petroleum storage units, petroleum transfer
installations, etc.

Card 2/2

PLOTKIN, ...

PLOTKIN, M., inzhener; KULIKOV, B., inzhener.

Safety measures in cutting electric wires. Pozh.delo 3 №.6:22
Je '57. (MLRA 10:7)
(Electric wiring--Safety measures)

L 40120-66

ACC NM: AP6019440 . (N) SOURCE CODE: UR/0308/66/000/002/0025/0027

AUTHOR: Plotkin, M. (Senior research associate);
Surikova, A. (Engineer; Junior research associate) /Z RORG: Fire protection administration of Azerbaijani SSR
(Upravleniye pozharnoy okhrany Azerbaijanskoy SSR)

TITLE: Fighting fires by means of vaporized water

SOURCE: Morskoy flot, no. 2, 1966, 25-27

TOPIC TAGS: fire protection, fire fighting equipment

ABSTRACT: The use of atomized water sprays for fighting fire on oil tankers is discussed and the experiments with putting out the fire on 10000-ton tanker "Zhdanov" are described. The so-called "volume" and "surface" methods of fire fighting are considered. The first method is based on the formation of a great volume of water vapor above the burning surface of oil products. The water is mostly evaporated from hot metal tanker walls. Consequently, this method can be used only if a sufficient free height H over oil surface is available. For cylindrical reservoirs of a diameter D the needed height is expressed as $H > 0.35D$, while for rectangular reservoirs of a length l, and width l₂ the

Card 1/2

UDC: 621.758.364

L 40120-66

ACC NR: AP6019440

height is $H > 0.23(1, + t_0)$. The second method consists of cooling or emulsifying oil surface by water sprays. This method can successfully be used for fighting fire caused by oil products of high ignition temperatures (diesel fuels). For fire fighting experiments, three bunkers of a total area of 100 sq m were opened on the tanker "Zhdanov" and special water spray extinguishers were installed. The burning tanker, its bunkers and extinguishing systems are shown in four figures. The experiments were conducted in open sea. The conditions of experiments (tanker speed, sea water temperature, spray water pressure, wind, etc.) and various tests and results are examined. The effect of metal walls on the amount of vaporized water is analyzed. An addition of 7 to 10% of ethyl bromide to water is favorably considered. The fire fighting of various petroleum products (gasoline, kerosene, diesel oil, crude oil) is discussed and the data on the intensity of water spraying for various products and extinguishers are tabulated. It is concluded that in case of oil products of classes I and II the vaporized water can be efficiently used on condition that the oil level does not exceed 3 m and the surface is less than 50 sq m. Therefore, the water sprays can be used for oil products of classes I and II as an auxiliary resource of fire fighting. As to the crude oil and products belonging to the class III, the method of using vaporized water can be recommended as a basic method of fire fighting. Orig. art. has: 3 photos, 1 diagram.

SUB CODE: 13/ SUBM DATE: None
Card 2/2

PLOTKIN, M.

Kaitaisko-Vostochnaia zheleznaya doroga (KVZHD). The Chinese Eastern Railway.
(Bol. sov. ents., 1936, v. 32, col. 762-770).

DLC: AE55.B6

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress
Reference Department, Washington, 1952, Unclassified.

PLOTKIN, M. M.

Cand Tech Sci - (diss) "Study of basic parameters of rotary printing." Moscow, 1961. 19 pp; (Ministry of Higher Education USSR, Moscow Printing Inst); 150 copies; price not given; (KL, 7-61 sup, 243)

PLOTKIN, M.R.

Concerning B.IA.Dvoskin's article "Economic zoning of Kazakhstan."
Uch.zap.Kazakh.un. 37 no.4:178-179 '58. (MIRA 15:4)
(Kazakhstan--Economic zoning)

PLOTKIN, Moisey Ruvimovich, kandidat geograficheskikh nauk; DVOSKIN,
Beniamin Yakovlevich, kandidat geograficheskikh nauk; DOLGOPYATOV,
Yu.A., redaktor; GRABAEV, A.Z., otvetstvennyy po vypusku; OYSTRAKH,
V.G., tekhnicheskiy redaktor

[Agricultural geography of Kazakhstan] Geografiia sel'skogo khozyay-
stva Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1956. 110 p.
(Kazakhstan--Agriculture) (MIRA 10:4)

PLOTKIN, M.R.

V.I. Lenin on the importance of local conditions. Geog. v shkole
20 no.2:1-5 Mr-Ap '57. (MLRA 10:4)
(Economic geography)

PHASE I BOOK EXPLOITATION SOV/4389

Plotkin, Moisey Ruvimovich

Osnovy industrial'nogo proizvodstva; kurs lektsiy (Principles of Industrial Production; Course of Lectures) [Moscow], Izd-vo Moskovskogo universiteta, 1960. 341 p. 3,000 copies printed.

Ed.: A.T. Khrushchev; Tech. Ed.: G.I. Georgiyeva; Ed. of Publishing House: V.Z. Khakimov.

PURPOSE: This textbook is intended for university students of economic geography and for geography teachers in secondary schools.

COVERAGE: The book contains a description of the main processes in major branches of industrial production. Such industries as metallurgy, machinery production and the building, chemical, textile, wood, and food industries are described. No personalities are mentioned. Referencies accompany each chapter.

TABLE OF CONTENTS:

Introduction

3

Card 1/6

PLOTKIN, Moisay Ruvimovich; OVSYANNIKOVA, Z.G., red.

[Principles of industrial production] Osnovy industrial'-nogo proizvodstva. Moskva, Vysshaia shkola, 1964. 414 p.
(MIRA 18:3)

PLOTKIN, Moisey Ruvimovich; KHRUSHCHEV, A.T., red.; KHAKIMOV, V.Z.,
red.izd-va; GEORGIYEVA, G.I., tekhn.red.

[Principles of industrial production; lecture course] Osnovy
industrial'nogo proizvodstva; kurs lektsii. Moskva, Izd-vo
Mosk.univ., 1960. 341 p. (MIRA 13:6)
(Industrial organization)

PLOTKIN, M.Yu., inzh.; SATIN, M.A., kand. tekhn. nauk

Air-entrained reinforced concrete slabs made with nepheline
slags. Biul. tekhn. inform. po stroi. 5 no.6:14-15 Je '59.
(MIRA 12:10)

(Concrete slabs)

PAVLOV, P.P.; ANTONOV, N.M.; KULIKOV, B.A.; PLOTKIN, M.Z.; KHOVANOVA, A.M.;
SELINA, V.G.

Using fine water spray for extinguishing petroleum product fires.
Izv.vys.ucheb.zav.; neft' i gaz 1 no.9:85-88 ' 58.

(MIRA 11:12)

1. Azerbaydzhanskiy industrial'nyy institut imeni M. Azizbekova
i TSentral'nyy nauchno-issledovatel'skiy institut protivopozharnoy
oborony.

(Petroleum industry--Fires and fire prevention)

PLOTKIN, N., inzh.

New improved leveling rods. Sil'. bud. 12 no.1:20 Ja '62.
(MIRA 16:12)

PLOTKIN, N., inzh.

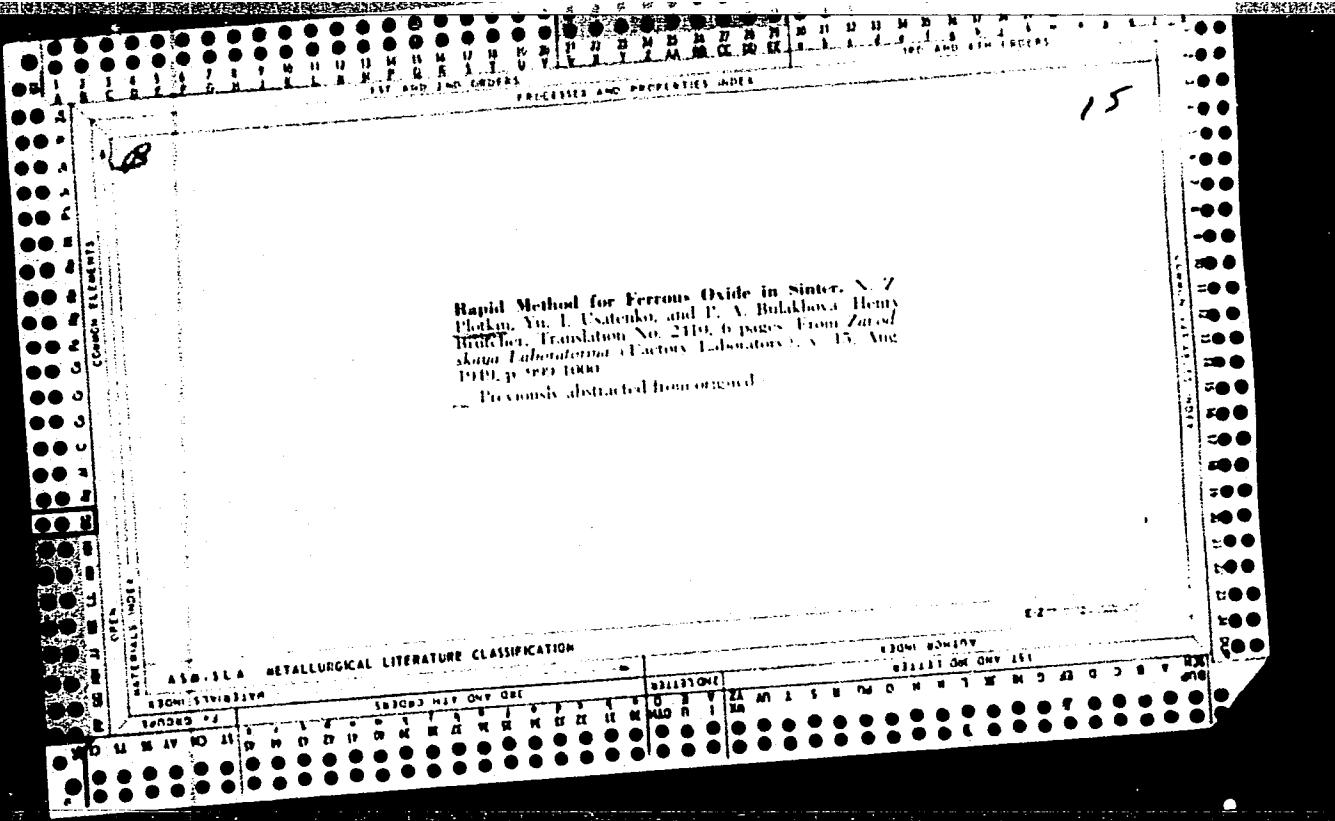
Making mortars for masonry work to be carried out in winter. Sil'.
bud. 9 no.12:16-18 D '59 (MIRA 13:3)
(Mortar--Cold weather conditions)

KAZINITSKIY, Mikhail Il'ich, inzh.; PLOTKIN, Naum Borisovich, inzh.;
TOLCHINSKIY, Aleksandr Aleksandrovich, inzh.; CHAPLITSKIY,
Vladimir Konstantinovich, inzh.; NASEDKIN, V.M., inzh., retsenzent;
SIVITSKIY, K.P., inzh., retsenzent; KOTOVICH, B.M., dotsent,
retsenzent; VOLCHANSKIY, R.A., kand.tekhn.napk, nauchnyy red.;
DENISOV, A.A., dotsent, nauchnyy red.; BILINSKIY, M.Ya., red.;
RAKOV, S.I., tekhn.red.

[Handbook for collective farm construction foremen] Spravochnik
kolkhoznogo desiatnika-stroitelja. Moskva, Vses.uchebno-pedagog.
izd-vo Trudrezervizdat, 1959. 564 p. (MIRA 13:5)
(Building)

PLOTKIN, Naum Lazarevich; KRAINSKIY, A.I., red.; FREGER, D.P.,
red.izd-va; GVIERTS, V.L., tekhn. red.

[Experience in the overall mechanization of accounting using
80-column computing and punched card machines] Opyt polnoi
mekhanizatsii bukhgalterskogo ucheta s ispol'zovaniem 80-
kolonnykh schetno-perforatsionnykh mashin; stenogramma dok-
lada na Vserossiiskom soveshchanii po mekhanizatsii i avtomati-
zatsii inzhenernogo i upravlencheskogo truda v promyshlennosti
i stroitel'stve. Leningrad, 1963. 12 p. (MIRA 16:10)
(Accounting machines)

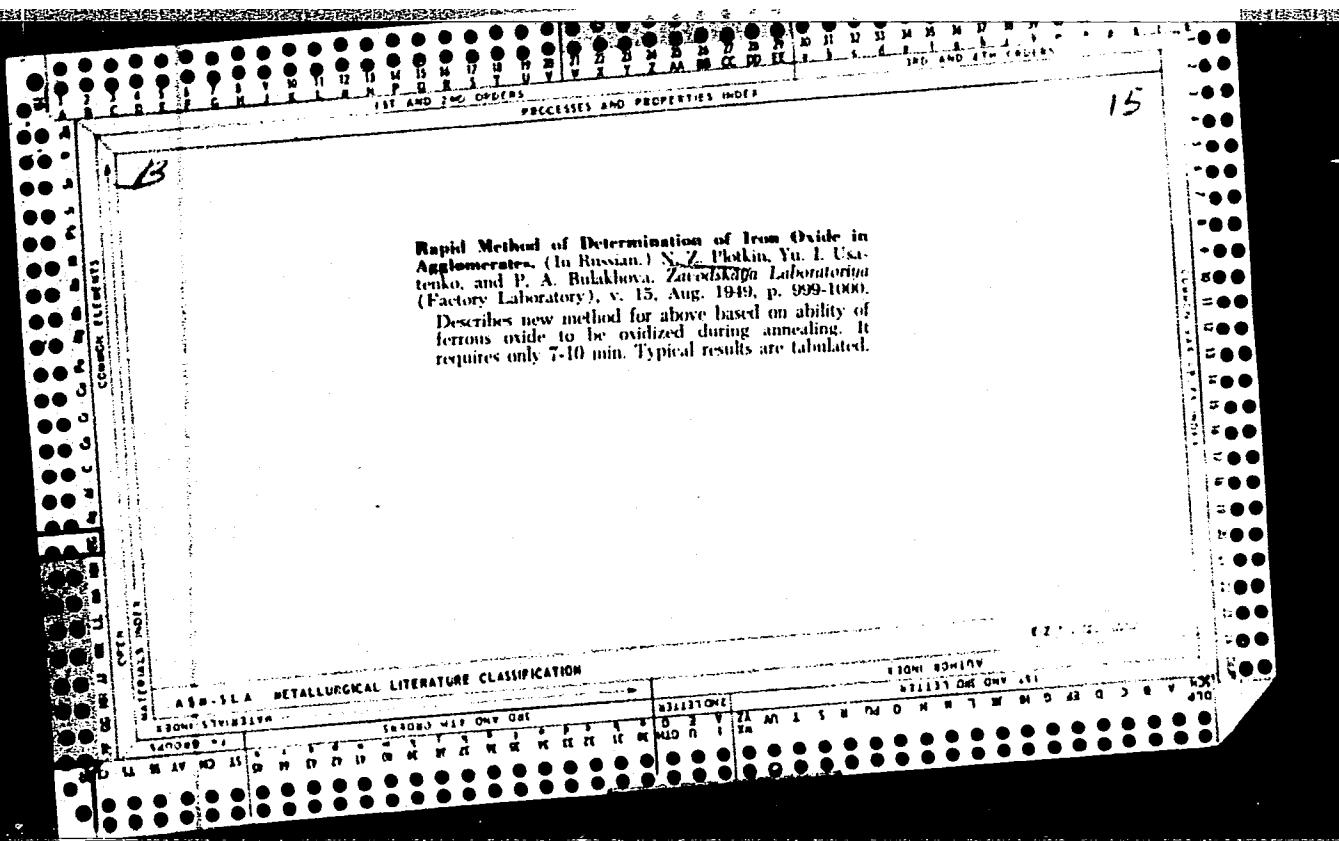


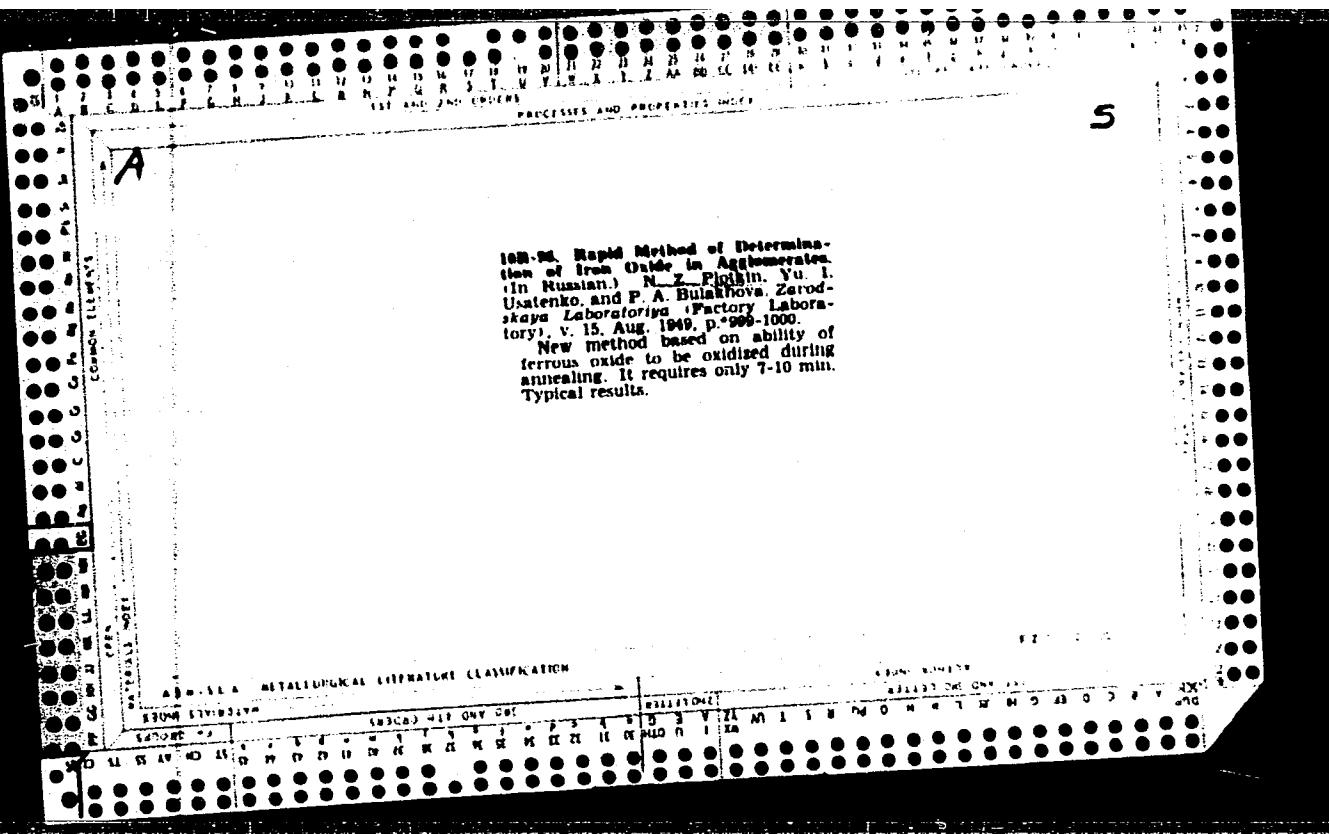
PLOTKIN, NAKHMAN ZALMONOVICH

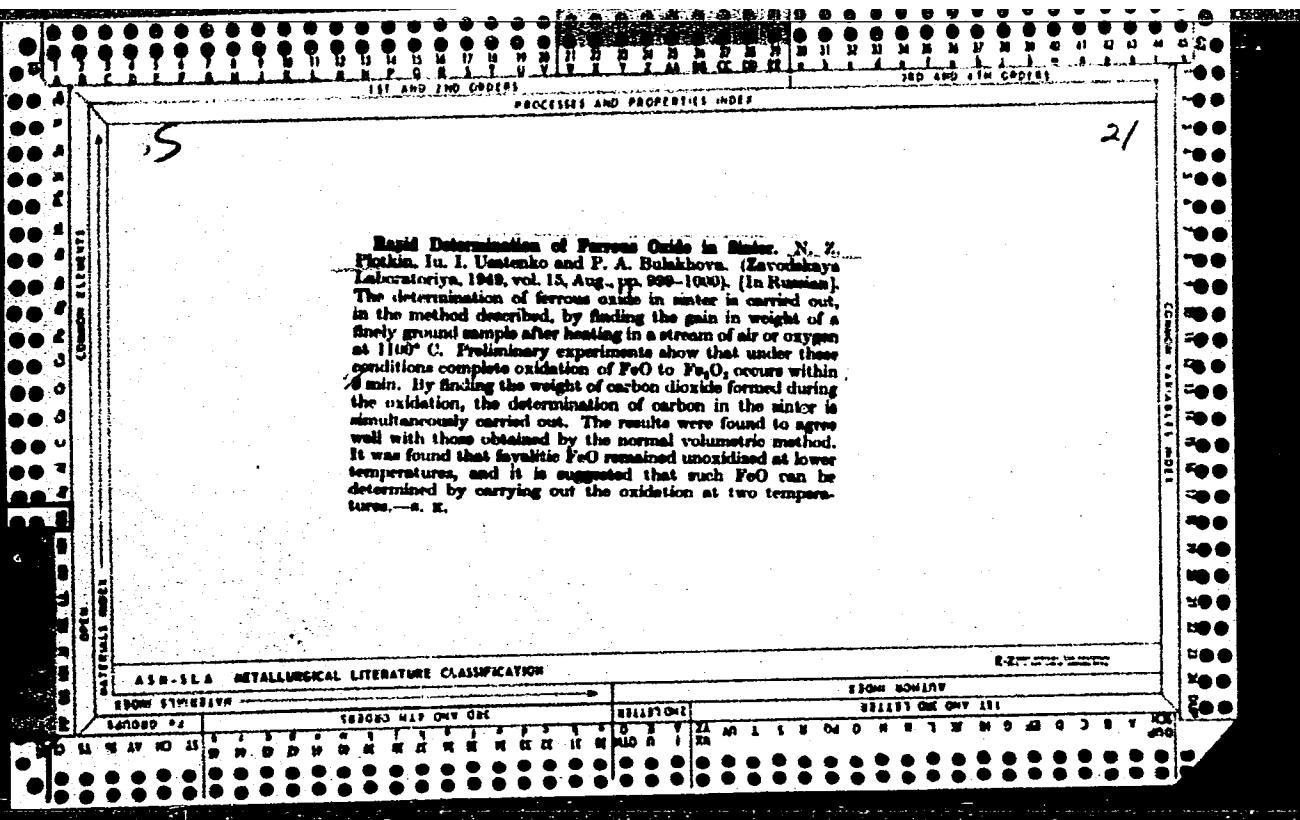
4N/5
733.2
.P7

Novoye v vyplavke chuguna (New methods in melting pig iron, by) N. Z. Plotkin
(1 dr.) Kiyev, Gostekhizdat, USSR, 1956.

96 p. diagrs., tables.







7

CA

Rapid determination of iron oxide in sinter cake.
N. Z. Plotkin, Yu. I. Usatenko, and P. A. Butikhova,
Zavodskaya Lab., 15, 1000-1000(1949).—The increase of
wt. of FeO on calcining is the basis of the method, usable
for sinter cake with up to 23.7% FeO; best results ob-
tained by 2-min. exposure at 1000-1100° in air or O₂.
Apparently only the FeO of Fe₃O₄ is oxidized, while FeO
of 2FeO·SiO₂ is unaltered. If higher accuracy is desired,
a correction for combustion of C is made. The C and
FeO detns. obviously can be combined. A 7-10-min.
detn. suffices for detg. 20-25% FeO samples. G. M. K.

RUDKOV, A.K., PLOTKIN, N.Z.

Work practices at the No.2 Sintering department of the Dnepro-
dzerzhinsk Plant. Stal' 24 no.12:1064-1069 D '64.

(MIRA 18:2)

1. Metallurgicheskiy zavod im. Dzerzhinskogo i Dneprodzerzhinskiy
metallurgicheskiy zavod-vtuz im. M.I. Arsenicheva.

SOV/133-59-3-2/32

AUTHORS: Oreshkin, G.G., Plotkin, N.Z. and Rudkov, A.K.

TITLE: Continuous Calcining of Limestone for Adding to Sinter Mixes (Nepreryvnyy obzhig izvestnyaka dlya aglomeratsionnoy shikhty)

PERIODICAL: Stal', 1959, Nr 3, pp 197 - 203 (USSR)

ABSTRACT: In 1957, the authors developed at the Dzerzhinskiy Works a scheme for the calcination of limestone directly on the sinter plant by installing a "round calcining machine" OPR (first letters of the authors' names) in the mix preparation section. The design of the machine is shown in Figure 1. The machine consists of a rotating wind box in the form of a cut-off cone, with the diameter of the large base carrying the sintering grate from 4 - 8 m with a corresponding working surface area from 10 to 40 m². The ignition of the mix for calcining consisting of crushed limestone 0-10 mm (oversize of crushed lime after screening-off -3 mm fraction for adding to sinter mixes), crushed coke breeze (about 10%) and moisture (3-4%), is done by a row of burners made from tubes 20 mm in diameter with flattened outlets (4-5 mm) fired with coke-oven gas. The calcined lime is transferred to a feeding

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SOV/133-59-3-2/32

Continuous Calcining of Limestone for Adding to Sinter Mixes

table from which it is added to the sinter mix. In order that hot lime (with a temperature of the individual pieces of up to 1 200 - 1 300 °C) should not fall directly onto the conveyor belt, the diameter of the feeding table was increased to 3 m and fitted with two spirals and two knives. The first knife transfers limestone onto the conveyor carrying the sinter mix while the second knife transfers the hot lime on top of the limestone layer. In order to prevent the formation of dust at the discharge of the calcined lime approximately 3/4 of the calcination machine was enclosed into a casing so that the dust is sucked into the calcining layer. Similarly, the place of discharge onto the conveyor level was cased and the casing connected to the exhaust tube. The dust formed during calcining is trapped in a dust catcher (bag) from which it is passed to the feeding table carrying calcined limestone. The position of the calcining machine in the mix preparation department is shown in Figure 2. The influence of suction on the calcining process was investigated on a laboratory-scale apparatus and the results obtained are given in Figure 4. Similar machines with a working area of

Card2/4

Continuous Calcining of Limestone for Adding to Sinter
SOV/135-59-3-2/32

10 and 15 m² are being designed for other sinter plants. An improved design of the machine with upward suction is shown in Figure 5. It is planned that at the Makeyevsk Works the calcined lime will be discharged directly into the mixing drum and at the "Krivorozhstal'" (Krivoy Rog) and "Zaporozhstal'" Works directly onto the conveyor belt already carrying the remaining components of the sinter mix. On the basis of prolonged experience in the operation of the calcining machine the following conclusions are drawn: a) it is advantageous to calcine limestone of the size 0-10 mm (not larger than 15 mm) from oversize after screening -3 mm fraction for the addition to the sinter mix in the raw state; b) the limestone mix should contain 8-10% of carbon and 3-4% of moisture; the size distribution of fuel should be the same as for sintering; c) it is advantageous to carry out the calcining process up to 70-80% of decarbonisation; d) the ignition of the mix can be done with coke-oven gas with a consumption of not less than 40 kcal/ton of the charge; e) for mixing the charge before calcining a worm mixer should be used; charging onto the grate is done with a swinging spout; f) the throughput of the machine of 4 m diameter and 200 mm H₂O suction

Card 3/4

Continucus Calcining of Limestone for Adding to Sinter SOV/133-59-3-2/32

is up to 150 t/day and can be considerably increased by increasing the capacity of the fan from 30 000 to 40 000 m³/h and suction of up to 500 mm H₂O; g) as the calcined lime is added hot (500 - 750 °C) its influence on the intensification of the sintering process is higher than that of cold lime; h) on the introduction of the calcination of limestone into the sintering system, the output of sinter increased by 6% (by 10% if compared with the operation without calcined lime); in addition, the dust content of the lime handling places considerably decreased; i) the cost of the machine of 10 m² working surface area is about 150 000 roubles and is recovered in a few months of operation. There are 5 figures and 3 Soviet references.

ASSOCIATIONS: Zavod im. Dzerzhinskogo (im. Dzerzhinskiy Works) and Dneprodzerzhinskiy vecherniy metallurgicheskiy institut (Dneprodzerzhinskiy Evening Metallurgical Institute)

Card 4/4

AUTHOR:

Plotkin, N. Z.

SOV/163-58-2-8/46

TITLE:

Theoretical and Experimental Investigations of the Operation of Dosing Plants in Dressing Works (Teoreticheskiye i eksperimental'nyye issledovaniya ratoty dosirovochnykh stolcov na agglomeratsionnykh fabrikakh)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958, Nr 2, pp. 50-58 (USSR)

ABSTRACT:

A dosing plant with telescope is described in detail. The dosing device for the components in a mixture does not permit an uniform addition of the components and therefore the technology of the sintering process is disturbed. The fluctuations in the amount of the material added, especially of light materials, amounts to 50%. The basic reason for the occurrence of these fluctuations is the layer of material directly situated on the center of the dosing plant. A new dosing plant with telescope and a worm-screw was suggested. The suggested plant for dosing the components shows satisfactory results in the sintering process, and the fluctuations of the layers of material do not exceed $\pm 5\%$. The fluctuations do not depend on the thickness of the layer of material but mainly on the different

Card 1/2

Theoretical and Experimental Investigations of the Operation of Dosing Plants
in Dressing Works

SOV/163-58-2-8/46

bulk weight of the components. The worm-screw may be used for dosing materials up to a granular size of 40mm. The higher accuracy in dosing the components by means of the worm-screw improves the technology of the sintering process. There are 4 figures and 4 references, 4 of which are Soviet.

ASSOCIATION: Dneprodzerzhinskiy vecherniy metallurgicheskiy institut
(Dneprodzerzhinsk Metallurgical Evening School)

SUBMITTED: October 20, 1957

Card 2/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6

Plotka, M. Z.

/ New Methods of Testing the Mechanical Properties of Steel

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6

Pleckin, N.Z.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6"

PLOTKIN, Nakhman Zalmanovich; GALEMIN, Igor' Mikhaylovich; LOGINOV, Vladimir
Ivanovich; KARDASEVICH, Ivan Nikandrovich; KOCHERGA, N., vedushchiy
redaktor; PATSALYUK, P., tekhnicheskiy redaktor

[Innovations in smelting cast iron] Novos v vyplavke chuguna. Kiev,
Gos. izd-vo tekhn. lit-ry USSR, 1956. 96 p. (MLRA 10:2)
(Cast iron--Metallurgy)

PLOTKIN, N.Z., kand.tekhn.nauk

Work practices of departments for burning limestone in sintering plants.
Met.i gornorud. prom. no.6870-73 N.D '63.

(MIRA 18:1)

PLOTKIN, N.Z., kandidat tekhnicheskikh nauk, dotsent; ORESHKIN, G.G.,
~~kandidat tekhnicheskikh nauk~~; RUDKOV, A.I., inzhener.

New methods of testing the mechanical properties of an agglomerate.
(MLRA 9:1)
Stal' 15 no.10:887-891 O '55.

1.Dneprodzerzhinskiy metallurgicheskiy institut i zavod imeni
Dzerzhinskogo.
(Dneprodzerzhinsk--Blast furnaces) (Metals--Testing)

PLOTKIN, N.Z., kandidat tekhnicheskikh nauk, dotsent.

Optimum conditions for sintering Krivey Rog ores. Stal' 16 no.4:
295-302 Ap '56. (MIRA 9:7)

1.Dnepredzerzhinskiy vecherniy metallurgicheskiy institut.
(Krivoy Rog--Iron ores) (Sintering)

Printed on
returns are incorporated in the mass, primarily from
a source of fine dust. Particle size of winter components
estimated to give total 30 microns at 50% weight loss.
Estimated to contain 4.5% of rock, 4.5% organic material, 4.5% water
and 45% mineral dust.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6

✓ Singeing of fine certificates and samples of manganese
ores of the Nikkel deposit. N.Y. P.M.C. 8/23/86

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001341320001-6"

PIOTKI N. N. Z.

27127. PIOTKI N. N. Z. UDATENKO YUJI BULAKHOVA, P. A. - Bystryy metod opredeleni ya zaki si zlezeva v agglomerate. Zavodskaya laboratoriya, 1949 № 4 c. 999-1000

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

PLOTKIN, N. Z.

U 1713* New Methods of Testing Mechanical Properties of an Agglomerate. *Novye metody issledovaniya mekhanicheskikh svoistv aglomerata.* (Russian.) N. Z. Plotkin, G. C. Oreshkin, and A. K. Rudkov. *Sif.*, v. 15, no. 10, Oct. 1955, p. 887-891. Instead of drum or barrel testing of agglomerate, a method of repeated shaking is recommended; factors considered include number of shales, size of screen mesh, and quantity and size of nodules on screen; relation of composition and mechanical properties of agglomerate to O content in charge. Diagrams, tables, photograph, graphs.

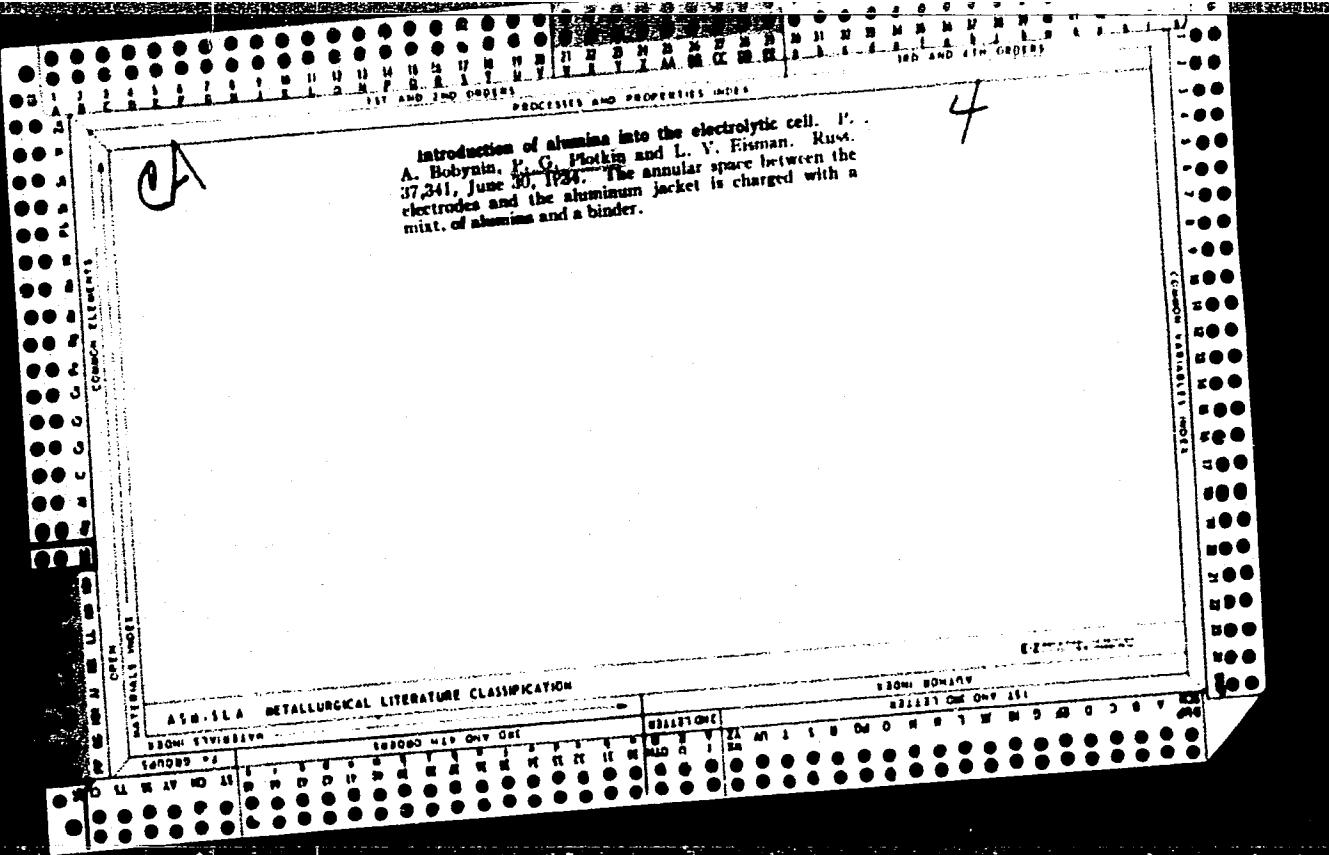
(2)

PLOTKIN, N. Z. USATENKO, YU. I I'ULAKHOVA, P. A.

27127

Bystryy metod opredeleniya zakici zheleza v aglomerate. Zavodskaya laboratoriya, 1949,
No. 8, S. 999-1000

SO: LSTOPIS' No. 34



KTATOROV, O.A.; PLOTKIN, O.Sh.

Construction of the Polotsk petroleum refinery. Prom. stroi. 40 no.2:
5-8 '62. (MIRA 15:7)
(Polotsk--Petroleum refineries)(Precast concrete construction)

PLOTKIN, R.M.; GAVRILOV, F.N.; GAS'KOV, V.A.

Construction of storehouses in areas beyond the Arctic Circle.
Geod. i kart. no.3:58 Mr '63. (MIRA 16:7)

(Russia, Northern—Farm buildings)

PLOTKIN, S., kand.tekhn.nauk, starshiy nauchnyy sotrudnik

Blaise Padcal; on the third centennial of his death. Fiv.⁴.
shkole 22 no.6±17-19 N-D '62. " (MIRA 16:2)

1. Institut istorii yestestvoznaniya i tekhniki AN SSSR.
(Pascal, Blaise, 1623-1662)